

POLYMORPHISMS IN THE TNFRSF1A GENE

CGGACATAGC	CAGATGTATT	ACGGATGACT	GCAGTCAGCT	CCCCCAGGCT	
CCTGCTTCTC	TTGCCTCCTG	CTTTTTTCCC	CAGAGCTGTC	TCCTTATCTC	100
CATTCACTTG	TCTATGGGTT	ACTCCTGGAC	CCTGGGGTTA	GGAGTTGGAA	
TCAGGCTGTT	AGCGATAAAA	GGGTTCAAGT	TGACTCATTT	TCCTTATCAG	200
GCTTAGTAGT	TGAAGTGACT	TGCTGAGCTT	CATAATTCTT	AGAGAACCTG	
CCATGAACCC	AGCTCCCTTT	CTATGACTCA	CCCTGCCACC	CTGTGACACA	300
TAGAGTCTGA	ATGGCAGGTC	TGGGGCTAGA	ACCCACGTCA	TCTGGACTTG	
GAGTCCAGTG	ACCCTTTGGG	TTAAGCATGT	GTGTGTGTGT	GTGTGTGCCA	400
TGATGCGGGA	GGAAGGTCCC	TGCTCTCTGT	AGCTGTTTTT	TTCATCCTTT	
GCTCTACAAG	CCCTAACAGC	CGATTCTGTC	ATCCCTAGTC	TGCCCCCTCTC	500
CTGTTTCTCC	ATCTCCTCTG	ACCATGATTT	TTTTCTGTCC	CTGGAGGGAT	
GATGGTCTCA	TTCTCACCTC	CTCCACGAAA	CGTGTTAGCT	TTTCATATTC	600
CTAGATCCAC	TCACTTCTCA	TCATCTTTTT	TTTTAAACAA	AATTTTATTG	
AAAAATGTAA	TATGACGTGT	CAAAGTTGTA	AAGTTATTGA	GTAAATAAGC	700
ATGTATCCTA	AATATTGAAA	AATATTCTCC	TTTTGTACCA	GGCTATGTGT	
CACGGCTTTG	GCGCTTTGCA	CAGACTATTA	GAAATACCTT	ATAACATTAA	800
AAATAGGACA	TTGAGGCCGG	GCGTGGTGGC	TCATGCCTGT	AATCCCAGCA	
CTTTGGGAGG	CCAGGGTGGG	TGGATCACCT	GAAGTCAGGA	GTTTGAGACC	900
AGCCTGGCTA	ACACGGTGAA	ACCCCGTCTC	TACTAAATAC	AAAAAATTAG	
CCGGGCATGA	TGGCACATGC	CTATAATCCT	AGCTACTCGG	GAGGCTGAGG	1000
CAGGAGAATT	GCTTGAATCC	GGGAGTCAGA	GGTTGCAGTG	AGCCGAGATT	
GTGCCACTGC	ACTTCAGCCT	GGGCAACAAG	AGTGAAACTC	TATCAAAAAA	1100
AAAAATAGGA	CATTGAAGTT	GGTTTCTTTT	TTTGATACAG	AGTCTCGCTC	
TGTCACCCAG	GCTGGAGTGC	ACTGGCAGGA	TCTCGGCTCA	CTGCAACCTC	1200
TGCCCTCCTG	GTTCAAGCAA	TTCTCCTGCC	TCAGCCTCCT	GAGTAGCTGG	
GATTACAGGC	ACGCGCCACC	ACGCCTGGCT	AATTTTGTAT	ATTTAGTAGA	1300
GACAGGGTTT	CACCATGTTG	GTCAGGTTGG	TCTCGAACTC	CTGACCTTGT	
GATCCGCCCA	CCTCAGCCTC	CCAAAGTGCT	GGGATTGCAG	GCGTGAGCCA	1400
CCGCACTCTG	CTTTTTTTTT	TTTTTTTTTG	CGCCCTCTCA	CATACCATAC	
TCCCCTGTAT	CAC TTATCCT	TCTGAAGTTG	TTATTAATCA	TTAATACAAC	1500
TAGCTGGGCA	TAGTGGTGTG	CGATGGTAGT	CTTAGCCACT	CGGAAGGCTG	
ATGTGGGAGG	CTAGCTTGAG	GCCAGTAGTT	CTAGGTTAGG	TGAGCTATGA	1600
TTGCACCATT	GCAC TTTAGC	CTGGGTGAGA	GCAAGCTCCT	GTTTCAAAAA	
AAAAATTAAT	TGCTACCACT	TACTAAATGC	TTAATATATG	GCAAACACTT	1700
GCCAAACACT	TTATATGCTT	GATTTAAGCA	TCAAGCTAGC	TCTGTGAAGG	
GTACCAGCAG	GTTTCCCATT	TTTTTAGATGA	GCAGACCGAG	GTTCTTCTCG	1800
CTGCTTCATA	CTGGAAACTT	GCACTTGATT	CTGAGGCTCC	TGCTTCTTCA	
AGAACACTGC	TTTGGGTTTC	CTTCTCCTGT	CCCTGGGGTC	TCCCTTTGTG	1900
ATGGTGGTGA	GCTGCTTCCT	TTCTGAATCC	AGCTTCAACC	CTACAGTTCT	
CCAGAAGCTG	GACGATGGGG	TGGAGTAAAG	TCAGCTCCCC	CCGCAGTGAG	2000
GGACACTGAA	GCTCCATTCT	CATCTGCGGA	TCACAGAGGG	GAAGCCAGGA	
AGAGCCAGGG	GACGGTGGAC	TTGGGGCTGG	GAGGTCATCT	CAGAGGGATA	2100
AGGGGTGAGG	AGCTCTGGTT	TCAAGTTCCA	AAGCCCTAGG	ACCTCCCTCT	
TCTCTGTCTG	CCTGCATTTT	TAGCAGCCTC	AGCAGCTGCA	GGCCCTTGGG	2200
CGGGGCTGGA	TGTAGGGAAG	GTCATTGTAC	CAAGAAGATA	GTTGGGTAAA	
TGTGGTACCT	TTGTTGTAGG	ATTCTCTTGG	GAGATGTCTG	CATCAATGAG	2300
GATGGCATAA	AGTAACCAGA	GTCAGGATGT	GGGGTCTGAC	TCAGTGACAG	
AAAAAGTGGC	AGTGTGTCTC	TCATAGCCAA	AGGGGCCCTT	GGACCGGCAG	2400
TCGGGAGTCT	GGGGTTCTCT	GTTGGCTCTG	CCTCCTGGCA	CATTGGGTTT	
CTGGACCTCA	GTTTTCTCCT	CTATAAAACC	GGGCAGTTGG	GTGGGCACGG	2500
TGGCTCACAC	CTGTAATCCT	AGCACTTTAG	GAGGCTGAGG	TGGGCAGATC	
ATTTGGGCCC	AGGAGTTCAA	GACCTGCCTG	TGTAACATGG	TGAGACCCTG	2600
TCTCTACAAA	AAATACAAAA	ATTACCCAGG	CGTGGTGGTA	TGCACCTATA	
GTCCCAGCTG	CTTGGGAGGC	TGAGGTGGGA	GGATTACTTG	AACCTGGGAG	2700

FIGURE 1A

GTCGAGGCTG	CAGTGAGCTG	CGATGGTACC	ACTGCACTCC	AGCCTGGGAA	
ACGGAGCGGA	CCCTCAAAAC	AAAAACAAAA	ATGAAAAACA	AGCAAACGAA	2800
GAAATAAAAA	AACCTAGGGG	GTTGTAGTCG	ATGATCTGTA	AGGTGAGTTA	
TAATTGATGT	ATTGGAATAT	TTAGGAAAAG	GGCACTGGGA	ATATGCTAGG	2900
AACACCTGAT	GGAGGTATCT	TTATTTCCAC	GGCAGCTTCG	TGGATACGTC	
TCATTGATTC	TCATGGCATC	ACTTTCCCCA	TGTAGGTGGG	CAGACATTGT	3000
TACCCCTGTT	TAATAAACAA	GGAACCAACA	GAGGCTTAGG	AGAGGAGTTG	
CCTGATGTCG	CATGATTGGT	GGCAGAGCCA	GGATCAACAG	TGGGGCAGGG	3100
TGGGGGGACC	TGGCCAGGCA	GAGACTGGAT	GAGACCTGGG	GTGAGGAATG	
T					
GCAGGCACCC	AGTCAGGGCA	GAAAACGAGG	GTTGGGACTT	ACTTTGAGTT	3200
TTGGATTGGA	TCAGTAAATT	CCCAAGAAAG	AGGGAGACTA	GGAGGCTAGT	
GAAGAACTCT	GGAGTAAAGG	GGAGGATTAC	TAAGGGACAT	GGAGTACCTA	3300
TCATGTGTCG	GACGCTTATC	TATATCTCTC	CCATCTGAAC	AAATCCTTAC	
AGGAACCCCA	GGAGACAGGT	TATCTCCACT	CTGCAAATTG	GAAAACAGAT	3400
CCAGACAGTT	TCAGTTATGT	GTCTGAGAAG	TTCATTTATG	TGTCCAAGAC	
G			G		
ACATTCTTAG	CTAAAAAGCT	AAGCATTCTG	AATTGGAACC	CAGAGAATTT	3500
GACTCCCAGA	CTCTGGATCT	TTTCACTGCT	GTGATCCATC	TGGGAAAGGC	
TAGTGATGTG	GGCAAGGGGC	TTATTGCCCC	TTGGTGTFTG	GTTGGGAGTG	3600
GTCGGATTGG	TGGGTGTTGG	GCACAAGGCA	GCCAGATCTG	GGACTCCTGT	
G					
GCTTGTGACT	GGACTACAAA	GAGTTAAAGA	ACGTTGGGCC	TCCTCCTCCC	3700
GCCTCCTGTG	GCCTCCTCCT	CCAGCTCTTC	CTGTCCCGCT	GTTGCAACAC	
TGCCTCACTC	TTCCCCTCCC	ACCTTCTCTC	CCCTCCTCTC	TGCTTTAATT	3800
TTCTCAGAAT	TCTCTGGACT	GAGGCTCCAG	TTCTGGCCTT	TGGGGTTCAA	
GATCACTGGG	ACCAGGCCGT	GATCTCTATG	CCCGAGTCTC	AACCCTCAAC	3900
TGTCACCCCA	AGGCACTTGG	GACGTCCTGG	ACAGACCGAG	TCCCGGGAAG	
CCCCAGCACT	GCCGCTGCCA	CACTGCCCTG	AGCCCCAATG	GGGGAGTGAG	4000
AGGCCATAGC	TGTCTGGCAT	GGGCCTCTCC	ACCGTGCCTG	ACCTGCTGCT	
[EXON 1: 4019..					
GCCACTGGTG	AGACCAGGGA	CAAAGGGAAG	AGTGGGCTGG	TGGGCGAGGC	4100
G			A		
	..4052]				
ACCTTCCGGC	TGGCGTGGGC	CCTCTCCGGG	AGGGGGCCGA	GCCTCTCCTG	
CCCGGGCCTG	GTCCTGGCGC	CAGCCTCAGG	CCTGCAGGTC	CTAACCTCAG	4200
CCACTGCCAG	TGTGGGGTTC	CCCATTCATC	CGCCTTTTGG	AGTAGGGGCT	
GCGCTGAGGC	AGGGGAATGG	GAGAAAGTTT	AAAGGGAGAG	AGTAAAAGGA	4300
AGCCCTGGCC	CCTGACAGCG	GTGGAAGTTT	GTGGGCGGCC	AAGGGAATGT	
GGGCAGGAGA	TAGGCCCAGG	GTGGGGCAGA	TTTGGCGGGG	AAAAGAAGGG	4400
AGTGGGAGTA	GGAAGATTAG	TGCTCGGGGA	GTCCAGACGG	TTCTGAATTC	
TGTCCCTCCG	GTCAGCTGGC	TGGCCTGGAG	GGTGTGTTGG	CGTGGGGAGG	4500
CGAGGCTGCC	TGTGGAACCT	GGTGGAGCAC	ACCCTGTAGG	GCAGGATTTT	
GGCGGCTGGT	GAAGTGGGGG	AGTGAGTTGA	GGAGTGGGGA	TGGGCTGGTG	4600
TGGTGGGTTT	GGGATGCTCA	TGGTGGGAGG	TATTTGAGAA	TGGGCTGGGA	
CACTGGATGG	GGCAGGGCAA	CCCAGTGGAC	AGTGTCCCCA	GTGCCCTGGC	4700
CAAGCCCCGG	CCTCTCACCT	GGGGACATTC	TTTACCCTTT	TGCCTGCTGC	
TAGGCAGGTA	GCCGCTGTGG	GACTGAGCCT	TCCCAGGGAG	CTAGTCCTAC	4800
CCCCACCTGG	TCAGTGTCCC	TGGGCCTGTC	CTCCAGCTTC	CCCTCCCCGC	
TGCTTCTCAC	AGACCTAAAC	AACAATCCCT	TGGTTTCTTA	TTCTACAGTT	4900
CAGTTTGGGG	AAGTTGGTAG	AAAGTTGTTT	TCGTCACTGG	AAAATGTCCC	
TTTCTCTGGC	CTCAGCCTTG	TTTCAATGTA	TCCTTGATCG	TCCTCCACGT	5000
CTTGGTCCGG	GAATCATCCT	GTTCAAGATG	CCTGGGCCCA	TCTAGTCAGG	
CAGATTTTCC	CTGCCCTGCC	CGGCCTCTGA	AGGCTGCGCC	TACCTCCCCCT	5100
CTCTTTAGTG	CCTTATACTC	TTCTCTCTCT	ACCATTCCTT	TCTTCCAGCA	
ATCTCCCCAG	ACTCTCCTCA	GACTTCTCAG	AGCCTCTTTT	TTTGAAATCT	5200

FIGURE 1B

TTTCTCGCTA	ATCCTCCTTC	CCCTCCTCTC	TGCTCCGCTC	TGGTCCCGGC	
CCCAGGTCCC	CAGGCAGCAC	GTCTCTGGTC	AGGGTCTCAC	TCTTCTTCTT	5300
CTGCCTCCTC	CTGCCTCCTT	AGTCCCACCC	GCTCTTCCCT	TCTTCCCCTT	
GTCCTTCCCC	CACGGTCTCC	CCACCAGCCA	GCTGCCCTGA	CATCCTGCTT	5400
CTGTTTTCTG	TTTGGGGGCG	GCCCCTGGCT	CCCTCACATA	CCTCCTGCAT	
GAACAAGAGC	AGCTTATATA	ACCTAACCTT	CCATGCCTTC	GTTTCTTTAT	5500
CTCCAAAATG	GGTGTACACAG	TCTTGACCTC	ATACTGTTGT	TTTGAAGATT	
GAATAGACTG	ATACATGTTA	AGTGTTTATT	TGATTTATTA	AGTGTGCGCT	5600
CTGGGCTAGA	CACTGTGATA	GGTGCTGGGA	TTACAGCAGA	GAACAAAATC	
CCTGCCCACA	GCTTTGACAG	TCCATCAGGG	GAATAGGTTG	TAGCAAATAG	5700
AAAGCACTCA	ATAAAGTTTT	TATATTGCTG	TGACTAGTAG	TAATTACTGG	
GTGGCTACCT	GTGTTGGGAA	AACAGAGGGT	AAAGGTAGCC	TGAACAGGTA	5800
AAGGGAAGTG	CCTGCGTCTT	GGGGTGCTTC	AGCCCAGGTG	GGATTATGTC	
TCCTAAGGGA	CAGAAGCCTG	GCCTGGAGCT	GGAGGAAAGG	GAAAACAAAG	5900
GGAATGCAAC	ATCCTTCTGA	ATTTCTCACC	ATTCAGTGGG	CAATGCAGAG	
CTCACAGTGT	GTGTGTGTGT	GTGTGTGTGT	GTGTGTGTGT	GAGAGAGAGA	6000
GAGAGAGAGA	GAGAGAAGTG	GGGTAGGGGA	GTAGGGAAGA	ATGATACAGG	
AGAGACTGTG	GCAAAGCAAA	CAGGATTTTG	CTGCTCTCAA	AGAGCTTACA	6100
GCCTAGTAAC	CAAGATGGCT	TACAGTGAAA	AATGATTTCA	GAGCAATCCC	
GAGGAAAATA	TCCACAAATG	CATTGTGATG	TGGTGTCTTG	GAGCACCAGT	6200
TGGGAGGAGG	AGGAACTGGG	GAAGGAGGTG	AGCCTTAGTC	CACTGCCTTT	
CCTTGCTTAG	CAGGTCTCAG	CTCCTGCGCT	CAGCTCCAGA	AAATTCAGGA	6300
GCTTCCCCAC	GCTGCTTCAG	TGTCCTTCAC	TGTGCAACTG	CAGCACTCCC	
TGTATAGATC	TCAGTGCCTA	CAACTGACTG	TCTTTGACTC	AAGTGAGAGC	6400
TCTTGAGAGC	ACGAGCTGTG	TATTATCCAC	CTCAGCATCC	CTAGCACCCA	
TACGGGACCT	GTCACATTAA	CTGTGCCCCT	TAACATTTTG	CTGAAGGAAT	6500
TAAGGAACAA	GAGATGTGTC	AGATGGGATG	GCGGAGGGAA	AGCCTCATAG	
AAAAGTGGAT	GTGGAGCTGA	CATCTGAAGT	CACTGCCTGT	CAGGGTAGCT	6600
ATAAAGGAGG	GAAGCAGAGT	TGGATACTGA	TGTGAGGAAG	AGGAGAGGAA	
TGGAGAGATG	GGATTTTGTG	TTGATGGGCA	GGGTGGCAGG	AAGCCAGACA	6700
CCTTGGTTCG	GGAGTGGAAA	AACCATGTTG	AGAAACACTA	AGAAATGTGA	
ATGGGAGAGT	TAGAGGGAGT	GGGGGAGAGG	ATGGAGGAAG	AGTGTGTAAT	6800
ATGGTTCCAG	GTGGAGGAAT	TCATTTCATT	GTTTATTCAG	AAGCTGTTCT	
CCTAGGGCAC	ATTCTGTGCC	CAGACTGTGA	TTAGAAGTGA	GGTGAGGCAT	6900
CTCAGATGGG	TGCTGTGGTT	CATGCCCTGA	ATTCAGACAC	TTCAGGAGGC	
CGAGGTGTGT	GGATTGCTTG	AGTCCAGGAG	TTCCGAGACCA	GCCTGGGCAA	7000
CACAGCAAAA	CCCTGTCTCT	ACAAAAAATA	CAAAGATTAG	CGGGGCATGG	
TGGGGCGTGC	TTGTTCATCCC	AGCTATTCGG	GAGACTGAGC	TCGGGAGGAC	7100
GGCTTGGGCC	CAGGAGGTGG	AGGTTGTAGT	GAGCCCTGAC	CACACCACTA	
CATTCCGTCC	TGGTGGTGAA	GGTTGCAGTG	AGCTATGATT	GTGCCACTGC	7200
ACTTCACCTT	GGGTGACAGA	GTGAGACCCT	GTTTCAAAAA	AAAAAAAAAA	
AAAGTAGTGA	GGCATCTGTG	GAAGTCTTCA	GATCATTTCC	ATGACCATGG	7300
AAATGCTGTT	TGGAGCCAGG	CCCTGGAGAT	GGAGAGGAAG	GTTTACACAC	
TTGTGCGTGC	AAGTTAAAGC	CTGAATGAAG	ATTTAAAAAG	TGTGTAGGAC	7400
GGATGGGAGC	AGGAGAGAGG	CTAGAAGACA	CTTGCAATAA	CCCAGGTGTG	
AGGCAACCCA	GGAATGCGGA	GAGGACCGAG	AGATCACAGG	GGGAGGCCCT	7500
GCAAGATGAA	CTGACACATG	GGATGGCGGC	AGGGATAGGG	ATGGGGCCCT	
GGGGAGAGAG	CGTGGCAAGT	TCTCAGCATT	CGTCCGGGAA	GTCGATGGTG	7600
TGTCATTTGT	CTAGGTGAGG	AGATGGATGA	ATTCCGTCTG	GGGCATGTTA	
AGGGTCAGGG	AAATGGTCAT	GTGGAAGGGT	GCGCCTACCA	AGCTGGAGGA	7700
GAGGTGCTGC	AACTTCTTTC	TGCCCTTGTA	TCATTTCAGAC	ACACTGTGTT	
CACTCATCAG	TGGTTCTCAA	AAGGAGAGGA	GCACACCAGA	CTCTTAAGTA	7800
AGGGTGTGTG	TGCTTGTGTG	TGGGGAGGTG	GGGGGATGGT	CTGAAAACCT	
TCCCCCGGAG	ATAAATATAT	TCCTACCAGG	GGTGCTGTCT	CCTCACCTCC	7900
CTCTTTGGGA	ATCACTGGCT	TCTACTAGAG	TGGAAGACAG	ATGTATCATT	
AGATCGATCA	GTTGATCCAT	ATTTATCTGC	TCCCAGTCTG	GAGGTCTGGT	8000

FIGURE 1C

TCTGGGAGCT	GAGAGGACAC	CAGGGGAGGA	TAAGACACTT	TCTGACCAAG	
ACATTTTTTTG	ATCTCTCATC	TTATAAGGTT	CGTGGTCACT	TTGGGGAGAT	8100
CATATCTGTC	ACCCAACATA	ACCATATTAT	GATAAGAGCC	AAAAGTAGAT	
AGGGTCAGTT	CACGTGCTTC	GAGTTCACAG	GGACTATGGG	TCTAAGGAGC	8200
CGGGGTGGAG	GAAACAGACA	TCGTCAATGG	TGGCTTCACG	GGAGGGAGAT	
GGGATCTCAA	CTGGGCCCTT	GGAGGAGAAG	CTGCCACGAC	CTCCCCCAAC	8300
ACCTTGACAT	TAAATGAACA	GACACATGAA	TGAGGGGGAA	AGGAAGACTA	
ATTGGGTCCC	TGCAAGGTGG	CTGGATCGGG	GTCAGACCAC	AAGGCCGATC	8400
TCAGCGTCGC	CTCCCCACTC	TGCAGCCCCA	GCACAGGAAG	TCACACTTTA	
AAGCCTCCTC	TGGCGGAAAT	TGTGGGGGAG	TTGGAGGGGT	GTTGGGCCAC	8500
CCCCTCAACT	GTCTCTCCAC	AGGCACCCCA	GCTTCCTGCC	CTTCTGCTCC	
AGGCTGGAGT	CTGGGCCTAA	AGAGCTCACC	TCCTGTTTCT	CCTGTTTTGC	8600
TTCATTTACG	CAACTGCTGA	GGACTGGGCT	TACTGGGGCC	AGCTGGTGCC	
AGCAGTGGTG	CCCAGTGGTG	GGGAGTCTGA	GGGCCCTGGC	TCCTAGGGAT	8700
CAGAGAGGGC	TGACCTGGAG	CATTCTGGGG	GCCAGGGGAA	GCCTAGGAAG	
CAGGGCTGGT	TCTTCCATCC	GGCATCCCTT	CTTGCCCTGCT	CCCTCGTTCC	8800
TGGAAGTGGG	TGTTCAAGGC	TCTGGAGGCT	TTCTGTATT	GCCAGTGGGC	
TTGGGGAGGG	TCTGTGGAGA	CTCAGAACTG	GCCTTGTTTC	CTAAGGATTG	8900
TCTGGGGACC	CCAGGGAGGC	CCCCAAACCC	AGCACAACTG	GTCAGAACCA	
GCCAGGCTGT	GGGAATGCGG	TGAACCCAGG	GTGGGAGGGC	AGCCTTGGCT	9000
TGCTTCCTGC	TGGGACTGGG	GAGTGTGGG	GGATGGAGTG	AGAGCTCACG	
GAATGGGTTT	AGCTGTTGGA	GACTTGTGTA	ACTGGGAGGA	GGAGCTGGGG	9100
CGGGGCCTCA	GCTAAAGGCC	GCTGAGGGGC	TAGGAGGAGC	CAAGTGGCCC	
TCAGGGAAGG	GAGGGCACAG	ACCTGATGGG	CGGAAGCCAG	GGTCGAGGGA	9200
GACTTCCCTT	CGGGATGGAA	TGGGGAGAGG	GAGGCATTTT	CCGGAACATG	
TGGGCCAAGT	GGGACAAGGG	TCTGTGGCCT	GGCTCTTTGC	ATGGGGAGGG	9300
GATGGATGGG	GGTTGAGTGG	GGATGGGAAG	GAGGGACTTG	GCCATAGGAA	
GAAGGGATTA	GATGGAGTCC	CACCTGCATG	CAGGCTGGTG	CCTTCTGCCT	9400
TTCTGCTGAC	TCATGACCCT	TGAGGAGCTG	GGGAAGCTGC	TAGTTCCCTC	
TCCCCTCCCT	AGGTCTCCCT	CCCTCTGGCC	TGAGTCACTG	GGGCGGAGTT	9500
GCTGGGAAAA	GATTTCCCTT	TCCCGGATCT	GACTTAACCC	CCAGAGTGCT	
GGAAAGAGAA	GGGAACACGT	GGCCTGAGAA	AGCCTCTCTC	CCTCCCTCCC	9600
TCCAGGGAGG	CTCATCCCCC	ACTGGCCAGA	GGTCCCTGAA	AAGCTCCCTT	
TAAGGCTGTC	TGGGGCTGGC	GTCCCCCAGT	TCTTCATCAT	GACTCTGCCT	9700
CAAGCCCCCT	GGATGGGATT	CAAAGTACCA	GTGACCTTAG	GTGCTCCAGT	
GGCTTCTTCG	GGGAAAGGAA	CCACACTTTT	AGGACTGGGA	AGTTCTTTCC	9800
ATCACCACCC	CAAACCCTTC	CTGTTGCCCT	GGAAGCCCCA	GTCCTGTTCT	
CAGCAGAGGT	GGCACGGTGT	TGGCTGGTGC	GGGCAGGGGA	AGGTTGTTGT	9900
CCTCTGAGCA	GGGGCACACG	CCTCCACCTG	CGGGGGCTGC	TGTTGTGTTT	
CTGTGTGTGG	CTTCCCCTGT	TTGCGGCTGA	GGCTTGAAC	TCCGGGCCTG	10000
CACAGCTTAC	AGCTGCAGCG	TCTCCCCGTG	GCTGACTCAG	GGTGAAGTGC	
CTCCTGCTCC	GAAATGTGGA	GTTGGTGAGG	CTGGGTGGCT	GTGGGCTGCC	10100
TGACCCTCCT	TCCCTGCCCT	AGGGTTTCTG	TGATCTGGTG	AGTCAGTTGC	
TCCCCAGTGT	TTAACAGACA	TTGAGGACAC	CCTCTTATCT	TTACACAAAG	10200
TGTCTCTTAT	AGTAGAAAAA	AAAAATGAAG	CCCAGGGAAA	ACCAGAAATG	
AAGCTGGCAG	AGATCAAAGT	CCAAGTTAGA	GCTAAATATT	CACTCCTGGC	10300
TTTGCTTTCC	TGGCACTGAT	GCCGGAACAG	GACAAGCCAT	TTAGCTGCTG	
TGGGGTTGGC	CTGAGACTGC	AAAGCACACC	TTCCAGAATG	CCATGGTGTG	10400
CAGGGGGCTC	CAGGACTCCC	CAGCACGCCC	TCAGCTCTGA	CCTGACAGTC	
ATCCAAGCTG	GGTCGCTAGC	CTTGGCCAGC	TCTATTGACC	TATGTCCTGC	10500
ACACCTTTGC	CCACTCCTGC	CCCCGTCTCA	ACTTTGTCCC	CCGTCTACCC	
ATGCAGGATC	CCCAACCTTT	CCCTTTTACT	CTCCTCCCCA	TTTGTCTTGT	10600
CCAACCCCGG	GTGTTTGTA	ATTTTGAGGT	GGAGGGGATG	GGCCAGGGAA	
TGTGAGGGCG	GAGGCAGATT	GAGGTTTGAT	ACAAACATGT	AAATAAACTT	10700
CCTTCTTCTG	TCCACTCCCC	AGGAGTGGTG	CTCACGGGAA	CATCACTCGC	
CCCCACCGCC	AGCTGACTTT	TTTCAAGAGC	TTTTTCATGGT	GTAACATATT	10800

FIGURE 1D

TCAGATATGT	AGATTCTTGG	ATCTACGATA	GCTCATTGGT	TCTAGGACAT	
ACACTCTTAT	AGCTCTGAAA	TCAAACCTCC	TATAACTGGT	GACTCATCAT	13100
GGTTGAATTG	GCAGCTCTGT	TTGCGTCTGG	GTAGTAATGT	AAAGAAAAGT	
GCCTTTTATT	CTTGATGGCG	TCTTAGGTTT	GATGCAATAT	GGTATTCCT	13200
CATTAGTCAC	TGTCCAGGCC	TCCTTACTCC	TGGCTCCACA	GAGGCTGTTC	
TTGTCACTCA	CTTGCAAAGA	ATAAACTCTG	AGGGCTCTCA	GAGTTTGAAC	13300
CCCAGCATAG	CCACTTACTG	GCTATGTGAC	GTTGGGCAAG	TTTCTTAACA	
TCTCTGAGCC	TGACTTTTCT	TTTGGTGTTT	TTTTTTTTTT	TTTTTTTTTG	13400
AGACAGGGTT	TCACTCTGTC	ACCCAGGCTG	GAGTGCAGTG	GTGCAACCGT	
GGCTCAGCCT	CCACCTCCAG	GGCTCAAGCC	ATCCTCTTGC	CTTAGCCTCC	13500
TGAGTAGCTG	GGATTAGAGG	CACACACCAC	TACACCCAGC	TAATGTTTTA	
CTTTTTGTAG	AGACAGGGTC	CTACTATATT	GCCCAGGCTG	GCCTCGGACT	13600
CCTGGGCTCA	AGCGATCTTC	CGCCTCAGCC	TCCCAAAGTG	CTAGGATTAC	
GGGCATGAGC	CACCACGCCT	GGCCTGGGCC	TTAGATTTCT	TATATTTAAA	13700
GTAAGCATAA	TGACATTCAT	TTGGTGAATT	TGTGAGAACC	AAAAACAAAG	
AAACAAACAA	AACCTACAAC	ACGTCTGACA	CAAAACTATT	TATTTTCCAT	13800
TAATCTTCTT	TTTTTTTTTT	TTTTTTTTTT	TTGACACAGA	GTCCTGCTCT	
GTCGCCCAGG	CTGGAATGCA	GTGGCGCGAT	CTCGGCTCAC	TGCAACCTCT	13900
GCCTCCCAGA	TTCAAGCAAT	TCTCCTGCTT	CAGCCTCCCA	AGTAGCTGGG	
ATTACAGGCA	CGTGCCACCA	TGCCTGGCTA	ATTTTGTAT	TTTTAGTAGA	14000
GATGGGGTTT	CACCATCTTG	GTCAGGCTGG	TCTCAAACCTC	CTGGTGATCC	
ACCTGCCTCT	GCCTCCCCAA	GTGCTGGGAT	TACAGCCGTG	AGCCACTGCA	14100
CCCAGCCGGC	TTCATCTCTT	CTTGAAATCA	CTTTTATACC	ATTCTATGTG	
GTTCTCACCA	TGAGCTTGAG	TGGTGGGCTA	AAGTGCCTCT	CCCTGCTTTC	14200
AGCTTCCTGC	TGGGAACTCA	CTCTCTCAAG	TTCTTCCAG	CACCACCCCA	
TAGAGTTCCC	ATCACTCCAC	ACTGTCCAGT	GACAACTCCC	AACATGGAAG	14300
ATCTGCTAGT	TCTACAGGGT	GCTCTCTGGC	TGCCCCAGTA	ACATGTGTTT	
TTAAATTTTT	CACATGCATG	TTTGACCCCG	ACTCCCCGAA	GTCAGGTACT	14400
GTAAC TAGCA	GTGTCATTTA	AGAAAAAGCC	CTTTAACCTC	TCTTTGCCAA	
AGGATTCTTA	TCAGCAAAAC	AGTGATGAAA	CAACAATCCC	ATAACAGCTA	14500
GCTGGCTACC	TTCTCAAGCA	CTTATTTAAAT	GAGGCATAAT	GATTTTGCTT	
AATCCTCAAT	CCTGAGAGGT	GGGCGATCCC	TGTGGTGATG	AGGAAACCGA	14600
GGCTTGGGGG	TTAATGGCTT	GCCTAGATTG	ACACTGCTAG	CCAAGGAATG	
AACTGGAATT	TACACCCTGA	CCCTGACTGC	TTTTCACATT	TTCTACACAG	14700
CCTTTTCAAG	ATCCCTGCCA	ATTCTAAAAT	TAAATGATTG	TATGATTAAC	
TGTGTTTCAT	TCTTCTGCAT	CAGTTCCCAA	AACAAATTAT	ATCAAGAGAC	14800
AGCAAAAATA	TTTGTAAGA	AAGGATGTCC	AACAATCTGT	GTGGTTGTTT	
A					
TTCTGTGTTT	CTCCAATGGT	AGGGCCTCTG	TTCACCAGTG	CCGTCTCTTC	14900
TTTTAGCTGT	AAGAAAAGCC	TGGAGTGCAC	GAAGTTGTGC	CTACCCCA	
[EXON 6: 14907..					
TTGAGAATGT	TAAGGGCACT	GAGGACTCAG	GTGAGGAGAA	GTGACCTGGT	15000
G					
..14980]					
GCCCATGCTC	ACCTGCCCTC	TCCCTCTTCT	TGCCCCCACC	CGTCCATCCA	
TCCCACCCAT	CCATCTATCC	CTGCGGCCCC	CCTCTGCCCC	CTCCTCTGAC	15100
T T					
CAACACCTGC	TTTGTCTGCA	GGCACCACAG	TGCTGTTGCC	CCTGGTCATT	
[EXON 7: 15122..					
TTCTTTGGTC	TTTGCCTTTT	ATCCCTCCTC	TTCATTGGTT	TAATGTATCG	15200
CTACCAACGG	TGGAAGTCCA	AGCTCTACTC	CATTGGTGAG	TGGGGGCTTT	
..15235]					
GGGAGGGAGA	GGGAGCTGGT	GGGGGTGAGG	GAGGACATGG	GTGGGTGCGA	15300
TGGACATGTG	TGGAGGGAGG	TGAGGAGTGT	CCCCCTCAGTT	CATACCGCTG	
GGGACTCTGG	GCAGAAGGTG	GCCCTGGATG	GCTGGGGAGA	TGTCGAGCTG	15400
CATCAGTAGC	TCTCTCGTCC	CTGGGGCCAC	ATAGGCCCTG	AGGCATGTCA	

FIGURE 1F

CCACAAGTCC	CCACTGCCAG	CTGAGTCCAG	GGTGCCAGGG	CTGAGAGAGG	15500
AAGTGAAATT	TATGATGCTT	TCTTTCTTTT	TCCTCAGTTT	GTGGGAAATC	
C					
[EXON 8: 15538..					
GACACCTGAA	AAAGAGGTGA	GATGAAATGA	GAGAGTTACT	CCCAAATGTC	15600
..15566]					
CCTGACCATT	CCTTATAATT	GCCTAATGCT	CAGATCCCCT	GGAATCATCC	
TTCACTTTCC	GGGGGCTCGC	CTCATTCCTT	CTAAGTCCCA	ACCCCCACGT	15700
AGAATAAAGA	GGGCCGGGGC	TGGTTTTTCG	TGCCGCACTA	ATGTGCGCCA	
CCTTCTCTCT	TTCAGGGGGA	GCTTGAAGGA	ACTACTACTA	AGCCCCCTGG	15800
[EXON 9: 15766..					
CCCAAACCCA	AGCTTCAGTC	CCACTCCAGG	CTTCACCCCC	ACCCTGGGCT	
TCAGTCCCGT	GCCCAGTTCC	ACCTTCACCT	CCAGCTCCAC	CTATACCCCC	15900
GGTGACTGTC	CCAACTTTGC	GGCTCCCCGC	AGAGAGGTGG	CACCACCCTA	
A					
TCAGGGGGCT	GACCCCATCC	TTGCGACAGC	CCTCGCCTCC	GACCCCATCC	16000
CCAACCCCTT	TCAGAAGTGG	GAGGACAGCG	CCCACAAGCC	ACAGAGCCTA	
GACAGTGAGT	TTCTCCCGCG	GCTGGAGACG	AGGAGGCTGG	GGGAGGGCCG	16100
..16054]					
GGGGAGCGCG	GGAGGCGCTC	CCAGAGGGGA	CCACGAGAGG	CGGAGGGCGC	
GGGATGCGGG	GCGGGGCCTG	GGGTTGCCGC	CCGAGGCTCA	CCGGCCCCGC	16200
A					
TCCCCGCAGC	TGATGACCCC	GCGACGCTGT	ACGCCGTGGT	GGAGAACGTG	
[EXON 10: 16210..					
CCCCCGTTGC	GCTGGAAGGA	ATTCGTGCGG	CGCCTAGGGC	TGAGCGACCA	16300
CGAGATCGAT	CGGCTGGAGC	TGCAGAACGG	GCGCTGCCTG	CGCGAGGCGC	
AATACAGCAT	GCTGGCGACC	TGGAGGCGGC	GCACGCCGCG	GCGCGAGGCC	16400
ACGCTGGAGC	TGCTGGGACG	CGTGCTCCGC	GACATGGACC	TGCTGGGCTG	
CCTGGAGGAC	ATCGAGGAGG	CGCTTTGCGG	CCCCGCCGCC	CTCCCGCCCG	16500
CGCCCAGTCT	TCTCAGATGA	GGCTGCGCCC	CTGCGGGCAG	CTCTAAGGAC	
..16520]					
CGTCCTGCGA	GATCGCCTTC	CAACCCCACT	TTTTTCTGGA	AAGGAGGGGT	16600
CCTGCAGGGG	CAAGCAGGAG	CTAGCAGCCG	CCTACTTGGT	GCTAACCCCT	
CGATGTACAT	AGCTTTTCTC	AGCTGCCTGC	GCGCCGCCGA	CAGTCAGCGC	16700
TGTGCGCGCG	GAGAGAGGTG	CGCCGTGGGC	TCAAGAGCCT	GAGTGGGTGG	
TTTGCGAGGA	TGAGGGACGC	TATGCCTCAT	GCCCCTTTTG	GGTGTCTCTA	16800
CCAGCAAGGC	TGCTCGGGGG	CCCCCTGGTT	GTCCCTGAGC	CTTTTTTCACA	
GTGCATAAGC	AGTTTTTTTT	GTTTTTGTTT	TGTTTTGTTT	TGTTTTTAAA	16900
TCAATCATGT	TACACTAATA	GAAACTTGGC	ACTCCTGTGC	CCTCTGCCTG	
GACAAGCACA	TAGCAAGCTG	AACTGTCCTA	AGGCAGGGGC	GAGCACGGAA	17000
CAATGGGGCC	TTCAGCTGGA	GCTGTGGACT	TTTGTACATA	CACTAAAATT	
CTGAAGTTAA	AGCTCTGCTC	TTGGAGACAG	TGGTCTGTCT	GGATGGGAGG	17100
TGGGGGCAGA	GGCCCAGATC	CTGAGGGGTG	AGATGGGAAA	AGCCCTGCAC	
TAGGGCCAGG	TAGCCCATCA	CCATCACGCC	AAGTGACAGA	GGAGTAGCAG	17200
GTTCTTGTTT	TGAACACCGT	CATCTGTTGC	CCAAGCTGGA	GTGCGCTCAC	
TGCAGCCTCC	AACCCTTGCG	CTCATGGGGT	CCTCCCGCCT	CAGCCTCCGG	17300
ACACAGGCAC	ACCACCACAC	CTGGGTAAAT	TTTAAAATTT	TTTTTTGTAA	
AGACAGGGTT	TCCCTATATT	GCCCAGGCTG	GTCTGGAAC	CCTGGGCTCA	17400
AGGGATCCTC	CCACCTCAGC	CTCCCAAAGT	GCTGGGATTA	CAGGCAGCCA	
TGCCCAGCCA	GGGCAGTCAT	TTTTATGCAC	AACTTTCTGT	GGGGCTCAGG	17500
TGCACCTATG	ATACATAAAT	TTACAGTTCT	TGATCCCCAA	ACAGAGCAGG	
AGGCAGGGTG	CCTGGGCCAG	GCTTCCTTTG	GGAAATGTGG	TCCTTGAGGT	17600
AGAGTCACAG	ATGCCGGAGG	GTGACCAGCA	CTACTGGGGA	GAGATCTCCT	
CTGGGAGAGA	TGCATGCCAA	AGGTCCTCTG	CATTCCTCAT	ACCTCTCTGA	17700
AAAGACAGGA	GGGGGTGTTA	GGCGACATTC	AGTGGCAACG	GGTGAGGGTC	
AGGTGAAGAG	TGAGGCGGAG	AGCCCTTCCT	GCCTCAGCCC	CTGTTCTCTG	17800

FIGURE 1G

TTTGCCCTCT	TTCTATACTA	CACCCACCA	CCATACAGAC	ATCCCCGTCT	
GCCCCCTCCC	AGGCCAGCTT	CCCTCCAGCA	CTTACGATGC	GGACAGAGGG	17900
GTGTCCAGCT	GAATGATGTG	GGGCCCCCGC	ATCCTCTGCA	GCTGGGCCCCG	
AGTCAGCTTC	CGTGGCCTGC	TGTCCCGGGG	CTCCTCGGCC	CCCTCAATCC	18000
TTTGGCTGGC	CAGCTCCTCC	CGGATCTCTC	TGAGCATGTC	CTCAGCCCCGC	
ATTGGGCGCA	GGGATGTGTG	GCCAGCTTTC	AGGAACAGAG	GCCCCCTCTTC	18100
TTCCTCCTCC	CCTGAGGACT	CCCAGGGGCT	TTCCCCGGCA	GAGTCAGCAT	
GGGTGGGGA	GGAGGGAAGC	TGGCCCCGAA	GCCGGGCCCT	GTGGAGTGTT	18200
TCCACCACCA	CATTCCCTCG	CTCGGAGGCC	CCATCTTCTT	CCTCAGACCA	
GGTTGGTGGG	TCTTCCTGGG	GAAGACTGCC	TCCTTTTAGG	ATTCTTCCG	18300
GCAGTTCGGG	GGCGCTTCGG	CGTTGAGGAG	CTTGGGGGTC	GGGAGGGTGG	
GGACGCAGAG	GGATGTCCCG	GAGTTCAGG	GTGGAGAAGG	TGAGGCGAGG	18400
GTCCCCCGCA	AGGGCTCTTT	GGCGTAGACG	GCTCAGTGGG	GAGCGGGACC	
CCGTGGGGGT	GCCTGGGATC	AAAGTGCCGT	AGCCAGAGTC	TGAGGTATCA	18500
TCTGGCACAA	GGGGAGCATC	TTCATCTGTG	TCTTCTGTCA	CCACCAGGTG	
GGGGATAATG	GTCGAGAACT	CAGGAGTCCT	ACAGTTAATG	GCAAAGAGTC	18600
AGATGCGTAG	GGGTCAAGTT	CAAGTCCAGG	GAGTTTCCCT	TGATCACTAC	
ATCCAGAAAT	GGCCCCCTCT	CCAAACTTAT	TTTGGTATCA	TCTTTCCATC	18700
GCACTGTGAT	TGTTTTTCTC	ATCTGGCTGG	CTAGATTTTA	AGCTCCTAAG	
AGAGTACGGG	CTGCCTCTAT	ACTGTTTTAT	CCATAGCATC	TGGTCCAGGA	18800
TCTTGATATCG	AGTGGGTAGT	CAGGTTTTTG	CTGAGTGGTT	CCTGAACTTA	
CCTGATATTA	TCCTCAATGA	TCGATTCTTC	TTTTCTCCTT	AAGCTGCTGC	18900
CAAGCAGTGG	TGCTATCCTA	GACGAACCTC	ACACTCCCCG	GGGATTTGGC	
AGCTCTAATA	TTCTGCAGAT	CCACACCTAC	CTTCACTCTC	GAGCTTGCTC	19000
CTCTCACAGT	GCTCCTGTGT	GACTCTAGGC	AGGCTAACTC	TGTAGGCTGT	
CTGTGCCCTA	TCCCCACCT	CCAACCCAAC	ACGGCTGGTA	CCAACCTTCC	19100
GACCCAACAC	AGCTGGTACC	GAGCTTCCCT	ACCCTGCCCT	ACGCCTGCGT	
TCCTCTATCT	ATTCCCAATT	CCACCAAAAA	TGTGCAGTAA	TGCCATTTCT	19200
CAGCCTTATG	GCTCCCTCCT	CCTGCTCGGG	GAGACCTTGT	AGTCCGTGTG	
AGCCTTACCT	CCCCTCTGCG	CTGCTCTGAG	AGCCCTCCAG	GGAAGGCGTG	19300
GAGGGCCTGG	TGCTGGGGGA	CTCCCTGTCC	TGGTCCCGAT	AGAGGGTCAG	
GAGCTCCCTC	TTCTGTTGAA	CATACTCCTC	TGCCTTCAGC	TTCTGTAGGG	19400
CGGCCTGGGA	CAGGACACTT	TCGTTATTAA	GAGCTCTCAT	TTATTGAGCA	
CTTGCTGTTT	GCCAGGCACC	CTGCTAAGTG	CGTTACATAT	ATTACCTTAT	19500
TTTATTTTAT	TATTATTATT	ATTTTTTGAG	ACTGAGTCTT	GCTCTGTCAC	
CCAGACTAGA	GTGCAGTGCC	ACAATCTTGG	CTCACTGCAA	CCTCCACCTC	19600
CTGGGTTCAA	GCGATTCTCC	TGCCCTCAGCC	TCCTTAGTAG	CTGGGATTAC	
AGGCGCCCCG	CAACGTGCCC	GGCTAATTTT	TGTATTTTTTA	GTAGAGATGG	19700
GGTTTCACCA	TCTTGGCCAG	GCTGGTCTCA	AACTCCTGAC	CTTGTGATCC	
ACCCCCCTTG	GCCTCCCAA	GTGCTGGAAT	TAGACGTGTA	AGCCACCGTG	19800
CCCGGCCTAC	ATTACCTTAT	TTAATCTTTA	CAAAAACCCC	ATGAACCAGA	
TATTTTTTACC	CCACCTTACT	ACTGAGACAT	GGAGACTCTA	AGGTTAAGTA	19900
ACTGTCTGAG	GGGGTACTTC	TTACCATAAG	AAAGTGGGGT	GGTGCCGGGA	
TTTGGTGGCA	CCAAACTCTG	GAGCTAGTGT	TGGGGGTGAG	TGGGGTGAAC	20000
AGAATGGCCC	TTTTCTTACC	TGTACAGGTC	TTCTTGCTTC	TCATGTCCCA	
TTGGCAGACC	TGTTATCAGG	TCTTCCCCCT	CCTTCAGGAA	GCCCTCCCTG	20100
GTTGGTGGTG	ATGGTAGAAT	AAGTGTTCCTG	AATTGGTACT	GGTTGCTCCT	
TCAAGAGCAT	CCCTCTCCTA	CCACCTGGGC	CTCTGCCCTG	AAGCTGGGAG	20200
GAGCAGGAGG	GCAGAACGTG	GGCAGAGGTG	GGCTTTGTCC	CAGGCTGAGG	
ACTCTGCTGT	CCTTCAGAGG	GAGGAAAGTT	CCTAGAAGGC	TGAGGAGAGG	20300
ACGCATTATA	TTATCTGCCT	TCTCCCTCCC	TCAGCGATTT	CATACAGGTA	
CCATCAAAAG	GAAATAGCGC	CACCTGAGAA	AAAATTTTCA	AAGCACTTTT	20400
GCACATGTGG	TCATTTGATA	CACATCATTTG	CCCTGTGGTG	TGGAGAACAT	
GAATGTTAGC	CCATTTTACA	GACAAGAAAC	CTAGACCTAG	AGAGGTGAAG	20500
TGACTTGCTC	AAGGTGCCA				20519

FIGURE 1H

POLYMORPHISMS IN THE CODING SEQUENCE OF TNFRSF1A

ATGGGCCTCT	CCACCGTGCC	TGACCTGCTG	CTGCCCCAGG	TGCTCCTGGA	
GCTGTTGGTG	GGAATATACC	CCTCAGGGGT	TATTGGACTG	GTCCCTCACC	100
TAGGGGACAG	GGAGAAGAGA	GATAGTGTGT	GTCCCCAAGG	AAAATATATC	
CACCCCTCAA	ATAATTGAT	TTGCTGTACC	AAGTGCCACA	AAGGAACCTA	200
CTTGTACAAT	GACTGTCCAG	GCCCGGGGCA	GGATACGGAC	TGCAGGGAGT	
		T			
GTGAGAGCGG	CTCCTTCACC	GCTTCAGAAA	ACCACCTCAG	ACACTGCCTC	300
AGCTGCTCCA	AATGCCGAAA	GGAAATGGGT	CAGGTGGAGA	TCTCTTCTTG	
CACAGTGGAC	CGGGACACCG	TGTGTGGCTG	CAGGAAGAAC	CAGTACCGGC	400
	A				
ATTATTGGAG	TGAAAACCTT	TTCCAGTGCT	TCAATTGCAG	CCTCTGCCTC	
	C				
AATGGGACCG	TGCACCTCTC	CTGCCAGGAG	AAACAGAACA	CCGTGTGCAC	500
CTGCCATGCA	GGTTTCTTTC	TAAGAGAAAA	CGAGTGTGTC	TCCTGTAGTA	
ACTGTAAGAA	AAGCCTGGAG	TGCACGAAGT	TGTGCCTACC	CCAGATTGAG	600
AATGTTAAGG	GCACTGAGGA	CTCAGGCACC	ACAGTGCTGT	TGCCCCTGGT	
CATTTTCTTT	GGTCTTTGCC	TTTTATCCCT	CCTCTTCATT	GGTTTAATGT	700
ATCGCTACCA	ACGGTGGAAG	TCCAAGCTCT	ACTCCATTGT	TTGTGGGAAA	
TCGACACCTG	AAAAAGAGGG	GGAGCTTGAA	GGAATACTA	CTAAGCCCCT	800
GGCCCCAAAC	CCAAGCTTCA	GTCCCACTCC	AGGCTTCACC	CCCACCCTGG	
GCTTCAGTCC	CGTGCCCAGT	TCCACCTTCA	CCTCCAGCTC	CACCTATAACC	900
CCCGGTGACT	GTCCCAACTT	TGCGGCTCCC	CGCAGAGAGG	TGGCACCACC	
		A			
CTATCAGGGG	GCTGACCCCA	TCCTTGCGAC	AGCCCTCGCC	TCCGACCCCA	1000
TCCCCAACCC	CCTTCAGAAG	TGGGAGGACA	GCGCCACAA	GCCACAGAGC	
CTAGACACTG	ATGACCCCGC	GACGCTGTAC	GCCGTGGTGG	AGAACGTGCC	1100
CCCGTTGCGC	TGGAAGGAAT	TCGTGCGGCG	CCTAGGGCTG	AGCGACCACG	
AGATCGATCG	GCTGGAGCTG	CAGAACGGGC	GCTGCCTGCG	CGAGGCGCAA	1200
TACAGCATGC	TGGCGACCTG	GAGGCGGCGC	ACGCCGCGGC	GCGAGGCCAC	
GCTGGAGCTG	CTGGGACGCG	TGCTCCGCGA	CATGGACCTG	CTGGGCTGCC	1300
TGGAGGACAT	CGAGGAGGCG	CTTTGCGGCC	CCGCCGCCCT	CCCGCCGCGC	
CCCAGTCTTC	TCAGATGA				1368

FIGURE 2

1. The first step in the process is to identify the problem or issue that needs to be addressed. This involves gathering information and understanding the context of the problem.

2. Once the problem is identified, the next step is to define the objectives and goals of the project. This helps to clarify what needs to be achieved and provides a clear direction for the team.

3. The third step is to develop a plan or strategy to address the problem. This involves breaking down the problem into smaller, manageable tasks and determining the resources needed to complete each task.

4. The fourth step is to implement the plan. This involves putting the strategy into action and monitoring progress regularly to ensure that the project is on track.

5. The final step is to evaluate the results of the project. This involves assessing the outcomes against the objectives and goals and identifying any areas for improvement or further action.

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